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02/21/2011

First at all, as mentioned before the cited prior art of Siebert (US 3582815) is totally not relevant to the present case. There is a fundamental difference in the laser physics and in the approach in realizing single axial mode operation between a continue-wave (CW) solid-state laser and a pulsed solid-state laser. Siebert's patent is for the case of pulsed solid-state lasers, or solid-state lasers operating in a pulsed mode, but not fitting for the case of CW solid-state lasers. The above-identified application is for the case of CW solid-state lasers.

Pulsed solid-state lasers do not have the so-called green problem. In other words, it is pretty easy and does not need some special approach as required in the CW mode operation, in order to realize single axial mode operation, or single longitudinal mode (SLM) operation. As a result, therefore, SLM operation with the pulsed mode had been realized long before that with the CW mode.

The so-called "green problem" is resulted from "spatial interference effect" or "spatial hole burning effect" and only exists in CW solid-state lasers. Only CW solid-state laser needs to eliminate or minimize such an effect in order to realize SLM operation. The relevant explanation and description have been clearly presented in the document of "Status of claims and support for claim changes" submitted on February 10, 2010, particularly the section 5 "Description for Claim 10" and section 6 "Reason for Patent." Please note that there are three limitations in claim 10 but not including SLM operation. (See attached bellow)

As to the basic mistake in the principle and concept about a patent, there are many valid patents for laser operations and for single axial mode operation. However, the term of "laser operations" or "single axial mode operation" is not a forbiddance to obtain a patent.

Applicant believes that the Amendment filed February 16, 2010 would place the application in condition for allowance, and respectfully requests the Examiner to remember to allow entering the document of "Amendments to the Specification" resubmitted on January 22, 2008, including the amendment for the TITLE in the printed patent.

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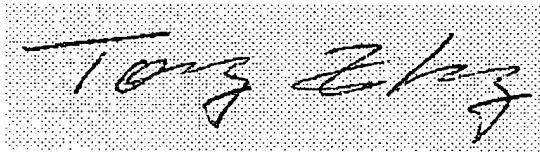
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Respectfully submitted,

A handwritten signature in black ink, appearing to read "Tong Zhang", is displayed on a light gray, textured background.

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